Bally Computer System

REAR VIEW SHOWING INPUT/OUTPUT PORTS

Video Console
Interface and
Light Pen Connection

Bally Data BUS

4 Hand Control
Connections

R/F Cable Attaches
to TV/Game Adapter
Switch

On/Off
Switch

VIDEO CONSOLE

PROGRAMMING KEYBOARD

AC Power
Cord

Video Console
AC Power Jack

Expansion
Port

Audio
Output
L/R

Cassettes 1 & 2
On/Off-MIC EAR

RS232 Connection
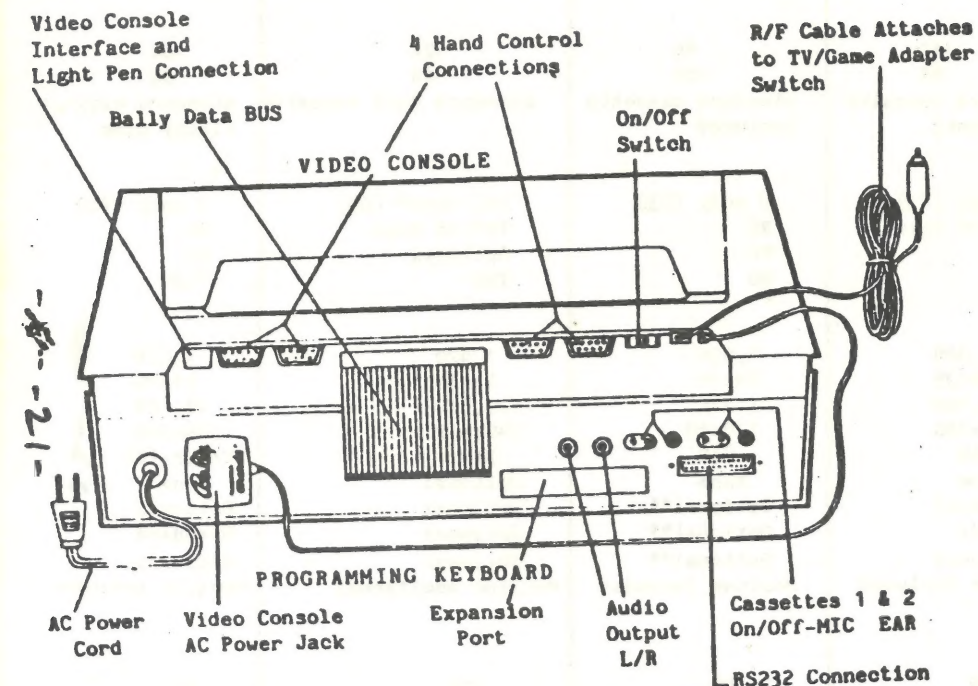
COMPATIBLE PERIPHERAL EQUIPMENT

Cassette Decks:	Any (AC power only, counter favorable)
Printers:	Any RS232 compatible
Floppy Disc:	Both single and dual mini-floppy with compatible interface
Telephone Modem:	Any RS232 compatible

Bally brings the excitement home!

BALLY CONSUMER PRODUCTS DIVISION
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Bally COMPUTER SYSTEM

Specifications

(VIDEO CONSOLE & PROGRAMMING KEYBOARD)

MICROPROCESSOR
Z80 operating at 1.78MHz

MEMORY
32K Byte Read Only Memory (ROM). (24K Byte resident in programming keyboard add-on of which 4K Byte is dedicated to a floating point software package which allows scientific calculations within $10^{\pm 99}$)

8K Byte Random Access Memory (RAM). (4K Byte resident in programming keyboard add-on)

RAM expandable to 16K Byte via RAM insertion.

SERIAL I/O PORT
- RS232
- Software selectable 300 to 19.2K baud
- 5 pin "D" type connector for printer or modem

PARALLEL I/O PORT
- 50 pin
- Buffered expansion port which allows interfacing to future peripherals

CASSETTE I/O PORTS
- Dual cassette
- Software, motor control
- 2,400 baud

VIDEO OUTPUT
Text Display:
- 26 char./line, 11 lines, upper and lower case
- 40 char./line, 20 lines, upper case
- 80 char./line, 24 lines, with optional TV printer

Graphic Configuration:
- 160x102

Graphic Resolution:
- 16,320

INPUTS
- 24-key calculator keypad
- 60-key typewriter-style keyboard
- 3-level w/144 character set
- 4 hand controls

AUDIO
- Dual channel output with each having independently definable volume level

POWER
110-125V AC, 50-60 Hz

Comparative Analysis: Personal Computers

	BALLY Computer System	APPLE II	COMMODORE PET	RADIO SHACK TRS-80 Level II	EXIDY Sorcerer	COMPUCOLOR Renaissance
MICROPROCESSOR	Z80	6502	6502	Z80	Z80	8080
No. Instructions	158	151	151	158	158	78
Internal Registers	17	3	3	17	17	7
PROGRAM STORAGE						
ROM (Read Only Memory)	32K	8K	14K	4K	12K	16K
RAM (Random Access Memory)	8K	8K	8K	16K	8K	8K
Mass Storage Interface	standard dual audio cassette	standard cassette	standard cassette (resident)	standard cassette included	standard dual cassette	standard mini-floppy disk
INPUTS						
Typewriter Keyboard (# Keys)	U/L case* (60)	U only (50)	U only (73)	U only (53)	U/L case* (63)	U only (71)
Numeric Cluster (Calculator)	YES-24 keys	NO	YES-20 keys	NO	YES-16 Keys	NO
Game Control Handles	YES	YES	NO	NO	Optional	NO
Floating Pt. Software Pkg.	YES	NO	YES	NO	YES	YES
OUTPUTS						
Max. Character Display	286/800	960	1,000	1,024	1,920	1,024
Text Display (Char.xLines)	26x11/40x20	40x24	40x25	64x16	64x30	64x16
Graphic Resolution	16,320	1,920	128,000	6,144	122,880	98,304
Graphic Configuration	160x102	40x48	320x400	128x48	240x512	384x256
B&W or Color (# Colors)	Color (256)	Color (16)	B&W	B&W	B&W	Color (8)
Audio	2 Channel	1 Channel	None	None	Optional	None
Printer	Optional	Optional	Optional	Optional**	Optional	Optional
Floppy Disk Storage	Optional	Optional	N/A	Optional**	Optional	Standard
Telephone Modem	Optional	Optional	Optional	Optional**	Optional	Optional
Video Output Device	Home TV	Monitor (or Home TV Optional)	Monitor included	Monitor included	Monitor additional	Monitor included
MULTI-SOURCE OF ATTACHMENTS						
RS232 Expansion BUS	YES	YES	NO	NO	YES	YES
S-100 Expansion BUS	NO	YES	NO	NO	YES	NO
PRICE (Suggested Retail)		$1,195.00 excluding monitor	$795.00	$899.00	$895.00 excluding monitor	$1,395.00

*Upper and lower case characters
**A Special Expander Interface must be purchased in order to use these peripherals